Amateur Radio Newsline(tm) Report 1787 - November 11 2011

Amateur Radio Newsline report number 1787 with a release date of Friday, November 11th, 2011 to follow in 5-4-3-2-1.

The following is a Q-S-T. A possible record ham radio testing session takes place in California, hams in Italy respond to flooding in Tuscany, Russia says it will remove taxi communications from 10 meters, the Japan Amateur Radio League gets a new president, some radio records set down under and a dream comes true for one ham at the New York City Marathon. Find out the details are on Amateur Radio Newsline(tm) report number 1787 coming your way right now.

(Billboard Cart Here)

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RADIO TESTING: CAL POLY SLO TESTS 114 IN ONE SITTING - 96 PASS HAM EXAM

Its being called one of the biggest if not the biggest college level ham radio exam sessions in history. That's when a record number of Electrical Engineering freshman students at Cal Poly San Louis Obispo attempted to get their technician-class licenses, all at the same time. And many succeeded as we hear from Amateur Radio Newsline's Jim Hendershot, WA6VQP:

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On Friday, November 4th, what is likely a record 114 college students were given their ham radio tests in the largest amateur radio licensing event ever held in San Luis Obispo county, California. more importantly, 96 of these students succeeded in passing their technician class exam joining the next generation of ham radio operators licensed in the united states.

Dr. Dennis Derickson , AC0P, is the Cal Poly, San Luis Obispo Electrical Engineering Department chair. He conceived the freshman licensing initiative, which gives every student a chance to get their radio license as part of the introduction to electrical engineering course curriculum.

Hosted by the cal poly amateur radio club, W6BHZ, the test session was administered during a 50-minute class period and counted as one of the midterm exams for the freshman students. Eleven volunteer examiners assisted in checking id's and overseeing the exam along with a dozen other people who helped to coordinate the testing event.

Of the 189 students enrolled in the class, 114 opted to take the fcc exam and attempt to get their licenses. The 85% that succeeded had their callsigns posted to the FCC website on Monday, November 6th, thanks to a tremendous effort on the part of the ARRL VEC office to quickly process the exam session results.

Prior to the test session, members of the Cal Poly Amateur Radio Club held review meetings to help students prepare to pass their exam. At the same time they were also given an introduction to a wide variety of electrical engineering topics.

It is likely that the November 4th session is the largest amateur radio license testing event ever held at the collegiate level. Sponsors hope that it might spur other colleges and universities nationwide and world-wide to do the same.

For the Amateur Radio Newsline, this is former Cal Poly student and W6BHZ member, Jim Hendershot, WA6VQP, reporting.

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Founded in 1947, the Cal Poly Amateur Radio Club has a long tradition of communications service on campus and in the San Luis Obispo community area. The club maintains a station campus for the San Luis Obispo Emergency Communications Council. This station is equipped with emergency power and radio equipment to support various public safety agencies in the event of a disaster. More information about the club can be found at www.w6bhz.org. (Cal Poly SLO)

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RESCUE RADIO: HAMS IN ITALY RESPOND TO TUSCANY FLOODS

Ham radio is in emergency response mode in Italy. This following flash flooding in the Liguria and Tuscany regions of which have already accounted for the deaths of ten people in that region.

The Amateur Radio Voluntary communications group R-N-R-E has been asked by the government to provide additional radio communications in the affected areas that began on Friday November 4th. Frequencies which may be used in Italy are 3.643 and 3.760 MHz on 80 meters and 7.045 to 7.060 MHz on 40. Amateurs world-wide not directly involved in flood related communications are asked to listen carefully before using these frequencies to avoid causing QRM to emergency nets.

Further heavy rain is striking the region as we go to air and additional casualties are expected due to increased flooding. (IARU Region 1)

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RESCUE RADIO: THAI HAMS HAVE ALREADY SAVED 1000 LIVES

Some breaking news from the Far-East. That's where Radio Amateur Society of Thailand Secretary Paul Wacharaphol, HS4DDQ, reports his team helped to save almost 1,000 lives by coordinating rescue communications in cases of medical emergencies during the severe flooding.

The team has been organizing the emergency medical communications at Public Health Ministry using the callsign HS0AC. Speaking at a small

society gathering on Sunday November 6, HS4DDQ said that the National Broadcasting and Telecommunications Commission has praised the role that radio amateurs have been playing to help people cope with the disaster by providing communications support. This has been especially helpful in flooded areas where cellular sites have failed.

According to HS4DDQ Thai government agencies have been able to take advantage of the amateur radio communications as their own networks failed. Using the skills and experience of the radio amateurs, the government agencies kept communicating with one another under adverse conditions. HS4DDQ says that this volunteer spirit that has carried radio amateurs to the "front-line" has also helped many victims of Thailand's worst flooding in over 60 years.

For the Amateur Radio Newsline, Im Bill Pasternak, WA6ITF, in the newsroom in Los Angeles. (IARU R3 Disaster Communications Committee and RAST.)

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INTRUDER WATCH: RUSSIA SAYS IT WILL GO AFTER ILLEGAL TAXI DRIVERS ON 10 METERS

Russia says that it is going to do all that it can to remove illegal taxicab two-way radio operations from the 10 meter amateur band. Amateur Radio Newsline's Norm Seeley, KI7UP, has the details:

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In a letter to Uli Bihlmayer, DJ9KR, Deputy Director Mickoli Valamow of Russia's Radio Frequency Service has promised to arrange permanent monitoring of the 10 meter band for illegal CB - like operations and to deal with them.

In October of 2010, DJ9KR, petitioned Russia's Intruder Watch for assistance to help remove from the air the ever growing number of illegal taxis speaking in the Russian language and using FM in the 28.00 to 29.70 MHz amateur band. He received no reply.

So on September 29th he filed the complaint to Russia's Radio Frequency Service in Moscow. A month late on October 31st he received the response that he and many others across Europe had hoped for. Russia will act to remove the illegal operators from the airwaves.

For the Amateur Radio Newsline, I'm Norm Seeley, KI7UP, in Scottsdale, Arizona.

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How long the clean-up of the 10 meter illegals' by Russian telecommunications authorities will take is at this time unknown. (IARU-R1)

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RESTRUCTURING: CEPT TO PROPOSE NEW 500 KHZ ALLOCATION AT WRC-12

The European Conference of Postal and Telecommunications Administrations better known to radio amateurs as the C-E-PT says that it plans to back a proposal at the 2012 World Radiocommunication Conference to create a new ham radio allocation near 500 kHz.

During the November 1st to 4th meeting of the CEPT's WRC-2 Conference Preparatory Group held in Bucharest, Romania a European Common Proposal was agreed on for a 5 watt Effective Radiated Power allocation to the amateur service between 472 to 480 kHz. This new band would be on a secondary basis to all other spectrum users. . This European Conference of Postal and Telecommunications Administrations ECP will now be forwarded the proposal to the International Telecommunications Union in the hope of having it included in the WRC-012 agenda. It should be noted that tjhis internsational body represents the block vote of 48 administrations and the motion to create the 500 kHz amateur radio allocation was passed without dissent. (IARU - R1 via G3PSM)

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BREAK 1

>From the United States of America, We are the Amateur Radio Newsline, heard on bulletin stations around the world including the WB9AET repeater of the Western Area Repeater Club serving Chicago, Illinois.

(5 sec pause here)

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ENFORCEMENT: $10000 PROPOSED FINE ISSUED TO FLORIDA CB OPERATOR

A Florida CB operator has been issued a $10000 Notice of Apparent Liability to Forfeiture for operating a radio transmitter without the requisite FCC authorization. In other words, Michael Perry, of Cross City is accused of using non FCC certified power amplifiers on the 11 meter Class D Citizens Band in direct violation of Sections 95.409 and 95.411 of the Commission's Part 95 Citizens Radio Service rules.

This one goes back to this past March 31st. That's when agents from the Enforcement Bureau's Tampa Office used direction finding to locate the source of the interference on Citizens Band channel 28 that was coming from Perry's residence.

Later that day the agents inspected Perry's CB station and found a non-certificated CB transmitter and three linear amplifiers as part of Perry's CB station. Perry admitted to the agents that two of the three linear amplifiers were capable of generating a power output of 200 and 1500 watts respectively, but claims that he had never tested the third.

The agents observed that the transmitter and two of the amplifiers were warm to the touch, indicating that the devices had been recently operated. Perry admitted to the agents that he had been using earlier that day.

In issuing Perry the Notice of Apparent Liability to Forfeiture the FCC says that Section 95.411(a) of the Rules states that CB operators may not attach external radio power amplifiers to CB transmitters in any way. It also notes that Section 95.411(b) says that there are no exceptions to this rule and that use of a power amplifier voids authority to operate the station.

As a result, the FCC believes that a proposed fine of $10,000 is apropos in this case. In addition it has also directed Perry to submit a statement signed under penalty of perjury that, to the extent he is engaged in CB operations that he will only use a certified CB transmitter; and not attach any outboard power amplifier to his CB station.

This statement must be provided to the Tampa Office within thirty calendar days of the November 1st release date of the N-A-L. The FCC added that failure of Perry to comply with this requirement could subject the licensee to additional enforcement action.

At airtime it's unknown if Perry plans to file an appeal. (FCC)

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ENFORCEMENT: NYC PROPOSED $4000 WRONG FREQUENCY FINE REDUCED TO $500

In an October 21st Memorandum Opinion and Order the FCC has reduced a proposed $4000 fine down to $500. This based on the regulatory body receiving proof that the $4000 amount would prove to be a financial hardship to Paisa 2 Car and Limousine Service, Inc. of Woodside New York.

As previously reordered, back on October 5, 2009, the Enforcement Bureau's New York Office issued to Paisa a Notice of Apparent Liability for Forfeiture in the amount of $4,000. This after finding that Paisa apparently willfully and repeatedly violated section 1.903(a) of the Rules by operating a base station and mobile stations on an unauthorized frequency.

Paisa did not file a response to the N-A-L and on June 18, 2010, the Enforcement Bureau's Northeast Region issued a Forfeiture Order affirming the findings and affirming the $4,000 forfeiture. After receiving this notification, Paisa responded with a petition for reconsideration in which it claimed that it never received the original N-A-L and speculating that it was mistakenly delivered to one of the other two businesses that are located at the same mailing address. In support of this claim, Paisa submitted documentation showing that two other businesses share Paisa's mailing address. Paisa also claimed that it did not know it was operating on an unauthorized frequency because the base station and mobile radios were programmed by Paisa's radio vendor. Paisa also requested a reduction or cancellation of the forfeiture based on its inability to pay and presented to required documentation to the FCC for it to consider.

After reviewing all of the data that Paisa 2 Car and Limousine Service, Inc. submitted the FCC says that it was declining to cancel the forfeiture based on Paisa's claim that it did not know that it was

operating on an unauthorized frequency. However it also said that the forfeiture should be reduced to $500, based on the company's documented inability to pay the $4000 amount imposed in the Forfeiture Order. (FCC)

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RADIO POLITICS: FCC COMMISSION NOMINEES MAY BE PUT ON HOLD DUE TO CONGRESSIONAL LIFGHTSQUARED INFORMATION DEMAND

Senator Chuck Grassley of Iowa says that he will hold up the approval process of to two nominees to the Federal Communications Commission. This over the agency's refusal to turn over documents related to wireless company LightSquared.

Addressing his concerns with the way the FCC has handled the Lightsquared matter Grassley says that he will object to proceeding to the nomination because the FCC continues to stonewall a document request that he submitted to the agency over six months ago regarding their actions related to the LightSquared and the Harbinger Capital matters. Grassley says that it not only sets a dangerous precedent for a federal agency to unilaterally set the rules on how it engages with Congress but that it also prevents any meaningful ability for the vast majority of Congress to inform themselves of how an agency works.

President Obama has nominated Ajit Pai and Jessica Rosenworcel to serve as commissioners on the FCC. Rosenworcel has worked for Democrats previously, while Pai has worked for Republicans.

A spokeswoman for Grassley said the senator will place a hold on the nominees that will take effect once the nominations reach the Senate floor. Before Grassley announced his intent to place a hold, observers widely expected the nominees to easily receive confirmation. More is on-line at tinyurl.com/nominees-objected. (TVBC)

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CLASSIC RADIO: BBC AUCTIONING OFF GEAR FROM BUSH HOUSE

If you are a ham who wants to really spiffy up your boatanchor or classic station, then listen up. The BBC World Service is auctioning off more than 100 lots of audio and radio equipment that has been decommissioned from its Bush House studio in London. Included are audio consoles, monitors, microphones including some very rare Coles ribbon mics designed to BBC specifications. Details are available through the Internet auction site of GoIndustry DoveBid. A direct link to it is tinyurl.com/BBC-auction. Bidding closes on November 22nd at 13:00 hours GMT. (BBC)

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NAMES IN THE NEWS: JA5MG APPOINTED NEW JARL PRESIDENT

Some names in the news. First up is Akira Inage, JA5MG, who was appointed as the new President of the Japan Amateur Radio League on November 1st. Inage replaces longtime J-A-RL leader Shozo Hara, JA1AN

who announced that his was stepping down at the Japanese Ham Fair 2011 in Tokyo earlier this year.

Appointed along with Inage are two new Vice-Presidents. They are Kazuo Niwa, JA1AYO, and Norimasa Nemoto, JH1UBU. More is on-line in the Japanese language at tinyurl.com/JapanJARL. (JARL)

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NAMES IN THE NEWS: PA2LS APPOINTED IARU REGION 1 YOUTH COORDINATOR

The International Amateur Radio Union Region 1 Executive Committee has appointed Lisa Leenders, PA2LS, as its first Youth Coordinator.

The 21 year-old Leenders lives in the city of Rotterdam. She first got her amateur radio novice license at the age of 13 and was issued with the call sign PD2LLS. She upgraded to her full license when she was 19 year's old and obtained her current PA2LS callsign.

In her new capacity Leenders will be working with Youth Coordinators from the various IARU member societies to promote amateur radio among to the younger generation in Region 1. (IARU-R1)

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NAMES IN THE NEWS: VE2CV TO BE INDUCTED INTO THE CANADIAN AMATEUR RADIO HALL OF FAME

John S. Belrose of Ottawa, Ontario Canada who holds the call signs VE2CV and VE3CVV will be inducted into the Canadian Amateur Radio Hall of Fame. Jack as he is better known in the world of amateur radio will be presented with this award at a meeting to be arranged in Ottawa in early 2012. At that time a detailed summary of his contributions to the hobby will be published in The Canadian Amateur magazine. Induction into the Canadian Amateur Radio Hall of Fame is made in recognition of a radio amateur's outstanding achievement for sustained service to ham radio in Canada, or amateur radio at large. (VE7EF)

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NAMES IN THE NEWS: RONNIE MILSAP WB4KCG AND HIS TRIO TO PERFORM HOLIDAY SHOW IN SOCAL.

And if you live in or near Southern California and have no plans the evening of December 9th, you might consider a trip to the Cerritos Center for the Performing Arts. That's where country music legend Ronnie Milsap, WB4KCG, and his trio will be performing their Holiday Show. One of the most popular dinner speakers ever at the Dayton Hamvention, WB4KCG has been honored for his contributions to the art of country music by the Country Music Association, the Academy of Country Music and Billboard Magazine. More about WB4KCG is at his website at www dot ronniemilsap dot com. For information on tickets for this event go to www dot cerritoscenter dot com. (ARNewsline(tm))

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BREAK 2

This is ham radio news for today's radio amateur. From the United States of America, We are the Amateur Radio Newsline with links to the world from our only official website at www.arnewsline.org and being relayed by the volunteer services of the following radio amateur:

(5 sec pause here)

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CHANGING OF THE GUARD: FORMER FCC COMMISSIONER KENNETH COX - S.K.

Former FCC Commissioner and media diversity advocate Kenneth A. Cox died on October 31st at his home in Bethesda, Maryland.

Kenneth Cox served as an FCC Commissioner from 1963 to 1970. He was a graduate of the University of Washington and the University of Michigan and later taught at the University of Michigan law school before practicing law in Seattle. Cox also served as a special counsel to the Senate Commerce Committee's TV inquiry in the mid-1950's and was tapped by then FCC Chairman Newton Minow to be chair of the FCC's Broadcast Bureau in 1961.

According to a notice in the Washington Post, Kenneth Cox is survived by his wife, Nona; three sons and four grandchildren. Services will be November 19th at the Westmoreland Congregational Church in Bethesda, Maryland. Kenneth Cox was age 94. (RW)

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HAM RADIO IN SPACE: AMSAT DESIGNATES AUBIESAT-1 AS AO-71

AubieSat-1 is now AubieSat Oscar 71 or AO-71. This according to an announcement by OSCAR Number Administrator, Bill Tynan, W3XO. Tynan says that the OSCAR designation came as the result of the successful launch and deployment of AubieSat-1 on October 28th. (AMSAT)

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WORLDBEAT: VENEZUALA CLOSES DOWN INDEPENDENT FM STATION

The owner of a radio station in western Venezuela says that on November 3rd that dozens of National Guard soldiers seized his stations broadcasting equipment. This as part of an investigation launched by the country's state-run Telecommunications Commission.

Jose Ramon Socorro says about 50 armed soldiers entered Kalor 91.1 FM and took away all of the broadcast equipment. Socorro calls the incident an armed assault on his facility. He says the troops did not provide details on the reason for the investigation or confiscation of the gear.

Representatives of the state telecommunications commission have not answered media requests seeking comment. Watchdogs groups have accused Venezuelan President Hugo Chavez of trying to suppress the country's

independent media. (Published news reports)

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WORLDBEAT: DAB FAILS IN SINGAPORE

Singapore radio broadcaster MediaCorp is turning off its Digital Audio Broadcast or DABservices at the beginning of December. In announcing the shutdown, MediaCorp stated that its DAB listenership had been stagnant compared to uptake of its Me Radio app for streaming audio to iPhones and select Android-based HTC phones.

MediaCorp launched its DAB services in November of 1999, primarily simulcasting its 14 FM services. The company says that it plans to reassign staff currently working on its DAB efforts to other operations.

DAB is a digital radio technology for broadcasting used in several countries, particularly in Europe. At the last broadcast census there were approximately 1,000 stations worldwide using the DAB format. (RW)

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WORLDBEAT: BBC PLANS TO PUT ITS ARCHIVES ON LINE

The BBC will soon introduce a new radio website that will contain almost its entire archive of radio programs going back to the 1940's. Code named Audiopedia the service is being developed for launch within the next 12 months.

Tim Davie who is the Director of BBC Audio and Music the at the BBC. He says that the organization is working on how best to present Audiopedia. At the moment the BBC believes that most people will probably access the new on demand content via other pieces of related media that they are already listening to across the BBC website.

The new Audiopedia website will represent the biggest release of BBC programming on demand since the iPlayer was introduced in 2007. (Media Network, London Telegraph)

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WORLDBEAT: NEW 60 METER BEACON ON FROM GREECE

A new 60 meter beacon from Greece is now on the air. Operating on 5.398.5 MHz transmitting in Morse the beacon currently runs 30 watts out into a non resonant antenna. Itts reported to be on the air usually between 19.00 and 06.00 UTC. Details of the beacon message and timings can be found on the IARU Region 1 website at www.iaru-r1.org. (IARU R1)

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RADIO RECORDS: NEW SHF RECORDS CLAIMED DOWN UNDER

Some new VHF and UHF records are being claimed by hams in Australia. Here's W-I-A Newsman Graham Kemp, VK4BB, with the details:

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VK4BB: "Here are details of seven new VHF-UHF distance records. The first ever records for the 134 GHz and 243 GHz bands:

Michael VK3KH and Alan VK3XPD have set the first Australian distance records for these bands - 25 meters on 21 October 2011. Alan and Russell VK3ZQB then extended these records to 50 meters on October 23.

First ever record on 324 GHz. Michael VK3KH and Alan VK3XPD have set the first Australian distance record for this band: 25 meters on 21 October 2011.

Frequencies above 250 GHz are not assigned to any service by telecommunications regulator ACMA, so technically there is no 324 GHz band. However amateurs may operate on these frequencies because they are not assigned to any other service.

First records in the new Digital EME record category: On 2 metres, the first Digital EME record is from VK9NA to EA2AGZ at a distance of 18306.4 km. This was set on 12 January 2011. On 1296 MHz, the inaugural record claim is from Mark Swannack VK2AMS and David Scott, VK2JDS - 325.3 km on October 1st.

For full details of all past and present VHF-UHF records are available for viewing or download on wia.org.au.

For the Amateur Radio Newsline, I'm Graham Kemp, VK4BB, of the WIA News reporting from Brisbane, Australia.

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All we can say is congratulations to those in VK land who worked had to set these new Australian ham radio records. (WIA News)

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ON THE AIR: CELEBRATING THE LIFE OF STEVE JOBBS

On the air, keep an ear open for the Team HB9ON Radio Group in Switzerland which is celebrating the life of Apple Computer founder Steve Jobs. This by activating the special call HB9STEVE throughout the month of November. Commemoration operations will occur sporadically and will be mostly on CW, but with some SSB. QSL via Logbook of the World, GLOBALQSL or direct to HB9DHG. See details on QRZ.com. (Southgate)

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DX

In DX, word that the Mediterraneo DX Club's DXpedition to Nepal may be on the air by the time you hear this report. The DXpedition team was to be on the air as 9N7MD between November 12th to the 27th with stations on 160 through 10 meters using CW, SSB and RTTY. QSL direct to Manager IK2VUC or via the bureau. Logbook of the World files will be uploaded

by the end of March 2012.

N7OU who is currently active as E51NOU from Rarotonga Island in the South Cook Islands says that he should be arriving on Manihiki in the North Cook Islands on November 8th or 9th. Once there his operation will be on 160 through 10 using only CW. QSL via N7OU.

PA8A will again be active as PJ4B from the island of Bonaire. Listen out for him between Janaury 8th and the 22nd of 2012. His operation will be holiday style on the High Frequency bands only. QSL direct only via PA8A.

IK2NCJ is expected to be operational as D44TAL from Sao Vicente Island in he near future. Activity will be on the High Frequency bands only. QSL via IZ4DPV.

VE2XB will be active as J79XB from Dominica starting January 5th,2012 for several weeks. His operation will be holiday style on all bands 160 through 10 meters and possibly 6 meters if there are openings. QSL via VE2XB as listed on QRZ.com.

Lastly, DL7DF will head up a team of 9 experienced operators to be active from Tonga as A35YZ between March 7th and the 24th, 2012. Operation will be on 160 through 6 meters using several station operating on CW, SSB with one station exclusively dedicated to RTTY, PSK31 and SSTV. QSL via DL7DF, either direct or via the bureau.

(Above from various DX news soiurces.)

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THAT FINAL ITEM: A DREAM COMES TRUE AT THE 36th NYC MARATHON

And finally this week, the amazing story about last weekends New York City Marathon and its ham radio communications director that was published in the Saturday November 5th issue of New York Daily News. Titled "Cancer Won't Keep This Radio Volunteer Down," the story details the fight being waged by Steve Mendelsohn, W2ML, against Pancreatic Cancer while at the same time organizing the vast ham radio communications network for this years running of the worlds largest on-foot marathon event.

In the article writer Wayne Coffey calls Mendelsohn's volunteer work for the New York City Marathon as being indispensable. He notes that this was to be the 36th running of the five-borough event adding that W2ML is the only person who has been on the course for every mile of every one of them.

For his part, W2ML says that that it's simple what keeps him fighting the disease. He notes that physicists say that energy can neither be created nor destroyed, but that the energy of the marathon is what keeps him going and this year has quite literally kept him alive. And speaking a few weeks ago at the Pacificon convention in Santa Clara, California, he put it all into perspective in a way that only W2ML could:

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W2ML: "The doctor that is treating my cancer always wanted to run in the marathon. I was given three to five months to live in January and I said to him that it's simple. You keep me alive until the marathon and Ill get you into the marathon. Only a ham could make tat kind of a deal with the devil. (applause)"

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The entire story about Steve Mendelsohn, W2ML, and his fight against cancer to once again lead the communications network for the New York City Marathon is in-line at tinyurl.com/w2ml-marathon-2011. And less we forget, the New York City Marathon was held last weekend and for the 36th consecutive year Steve Mendelsohn, W2ML, was there with his crew of 400 or so ham radio volunteers to keep it all running smoothly. (ARNewsline(tm))

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NEWSCAST CLOSE

With thanks to Alan Labs, AMSAT, the ARRL, the CGC Communicator, CQ Magazine, the FCC, the Ohio Penn DX Bulletin, Radio Netherlands, Rain, the RSGB, the Southgate News and Australia's WIA News, that's all from the Amateur Radio Newsline(tm). Our e-mail address is newsline(at) arnewsline (dot) org. More information is available at Amateur Radio Newsline's(tm) only official website located at www.arnewsline.org. You can also write to us or support us at Amateur Radio Newsline(tm), 28197 Robin Avenue, Santa Clarita California, 91350

For now, with Bill Pasternak, WA6ITF, at the editors desk, I'm Don Wilbanks, AE5DW, saying 73 and we thank you for listening.

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